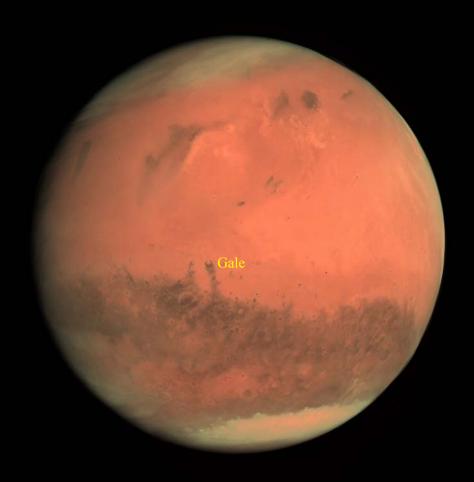
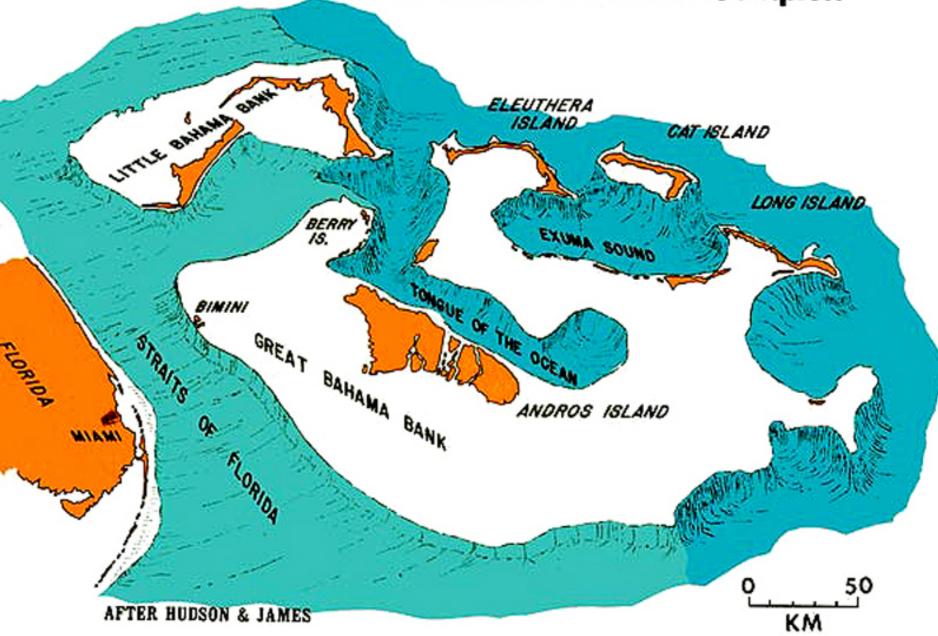
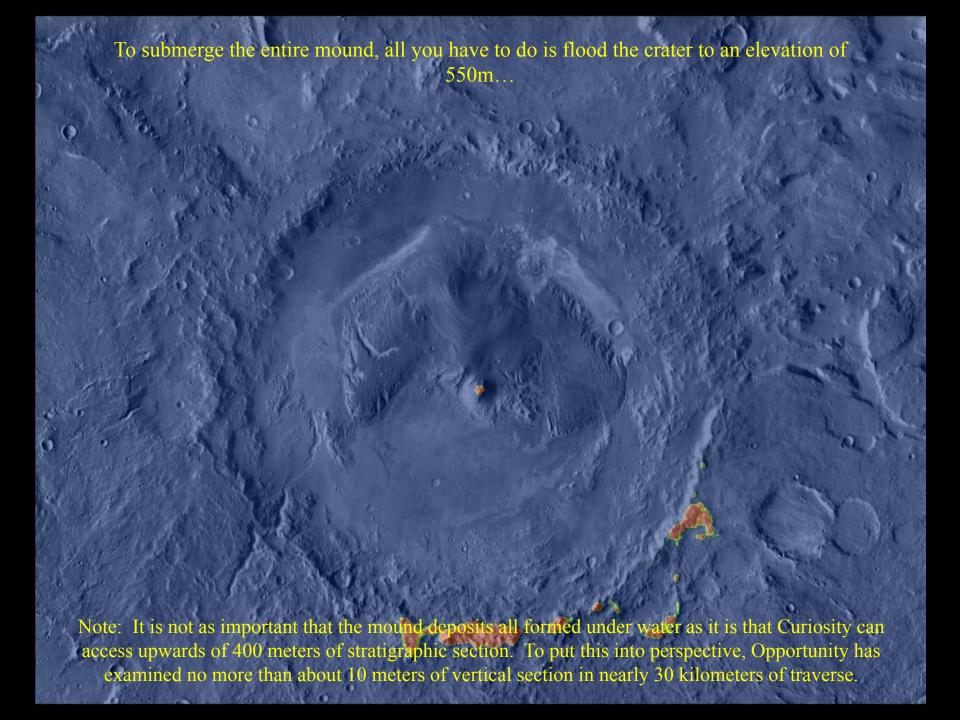
#### An aqueous origin for the entire Gale mound Tim Parker, JPL



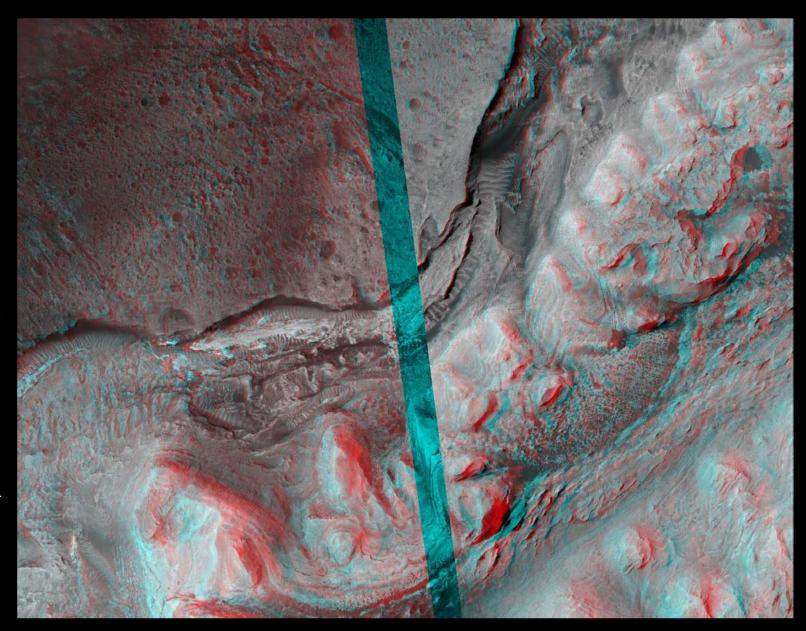
#### Florida-Bahamas Carbonate Platform Complex



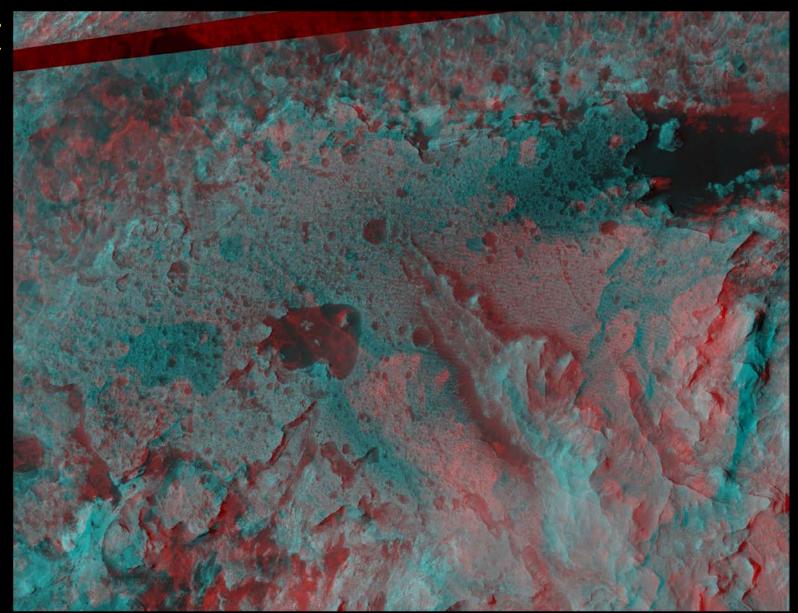


•Layering in lower mound dips gently outward from center to edges (Dawn Sumner)

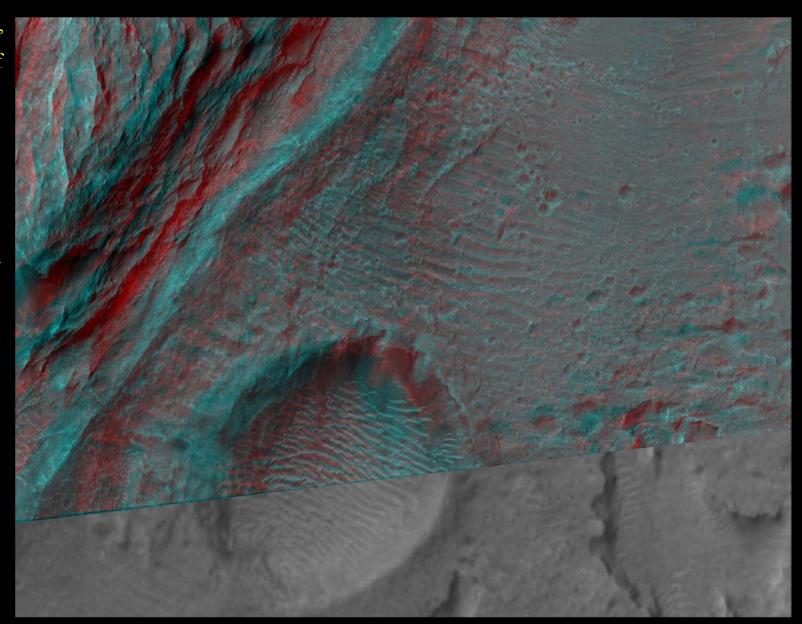
•"Ring Ridge" –
a topographic
ridge running
much of the way
around the
mound, shows
steep dips away
from mound, in
places extending
partway up
mound slope >>



•"Fossil Ripples" on north slope of mound show similar orientation as ripples south of mound (as if upper mound layers "weren't there" when they formed. >>



•"Fossil Ripples" on south slope of mound show similar orientation as ripples north of mound (as if upper mound layers "weren't there" when they formed. >>

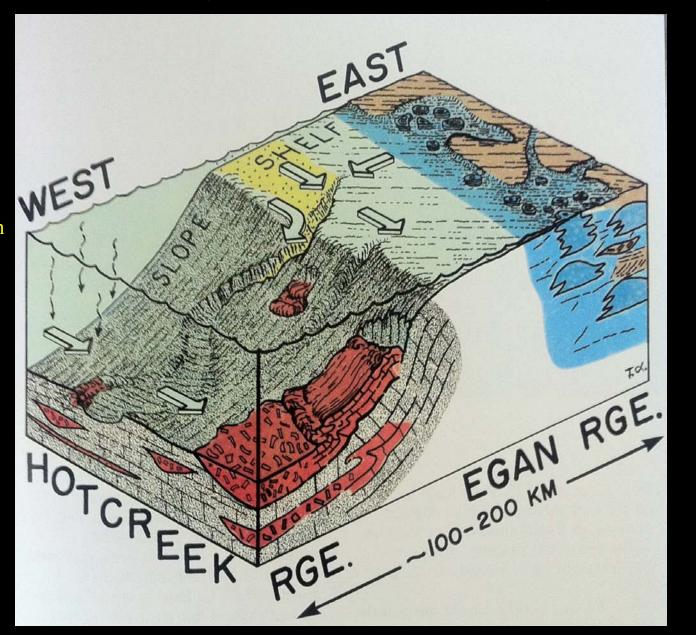


•Sand waves on Great Bahama Bank (stretched to look like Mars!). Wavelengths tyhpically several tens to hundreds of meters, amplitudes ~ 1 meter or so.>>



- •Multiple slide lobes on north side of mound, with blocky, disorganized layering evident within blocks of larger slide at upper right.
- •ALL the headscarps are buried by subsequent additional mound growth at the summit.
- •Interp: Slides formed due to oversteepening of north slopes, headscarps buried as platform continued to grow.





•Terrestrial analog from Cook and Taylor, 1977.

